PROGRAM NO-10

Develop a JavaScript program with Ajax (with HTML/CSS) for:
a. Use ajax() method (without Jquery) to add the text content from the text file by sending ajax request.
b. Use ajax() method (with Jquery) to add the text content from the text file by sending ajax request.
c. Illustrate the use of getJSON() method in jQuery
d. Illustrate the use of parseJSON() method to display JSON values.

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>AJAX Example</title>
   <link rel="stylesheet" href="styles.css">
   <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
   <style>
      body {
         font-family: Arial, sans-serif;
         margin: 20px;
      }

      button {
         padding: 10px 15px;
         font-size: 16px;
         margin-right: 10px;
      }

      #content {
         margin-top: 20px;
         border: 1px solid #ccc;
         padding: 10px;
         background-color: #f9f9f9;
      }
   </style>
</head>
<body>
   <h1>AJAX Example: Load Text Content</h1>
      <h2>a. AJAX without jQuery</h2>
   <button id="loadTextBtn">Load Text Content (Vanilla JS)</button>
   <div id="content-vanilla"></div>
```

```html
<h2>b. AJAX with jQuery</h2>
<button id="loadTextBtnJQuery">Load Text Content (jQuery)</button>
<div id="content-jquery"></div>

<h1>jQuery JSON Example</h1>

<h2>c. Using getJSON()</h2>
<button id="loadJsonBtn">Load JSON Data</button>
<div id="content-json"></div>

<h2>d. Using parseJSON()</h2>
<button id="parseJsonBtn">Parse JSON Data</button>
<div id="content-parsed"></div>
<script>
  // AJAX without jQuery
  document.getElementById("loadTextBtn").addEventListener("click", function() {
    var xhr = new XMLHttpRequest();
    xhr.open("GET", "content.txt", true);
    xhr.onreadystatechange = function() {
      if (xhr.readyState === 4 && xhr.status === 200) {
        document.getElementById("content-vanilla").innerText = xhr.responseText;
      }
    };
    xhr.send();
  });

  // AJAX with jQuery
  $(document).ready(function() {
    $("#loadTextBtnJQuery").click(function() {
      $.ajax({
        url: "content.txt",
        method: "GET",
        success: function(data) {
          $("#content-jquery").text(data);
        },
        error: function(jqXHR, textStatus, errorThrown) {
          console.error("Error loading content: ", textStatus, errorThrown);
        }
      });
    });
  });
// Using getJSON() to fetch JSON data
    $("#loadJsonBtn").click(function() {
```

```
        $.getJSON("data.json", function(data) {
            let output = "<h3>Fetched JSON Data:</h3><pre>" + JSON.stringify(data,
null, 2) + "</pre>";
            $("#content-json").html(output);
        }).fail(function() {
            $("#content-json").html("<p>Error loading JSON data.</p>");
        });
    });

    // Using parseJSON() to parse JSON string and display values
    $("#parseJsonBtn").click(function() {
        const jsonString = '{"name": "John", "age": 30, "city": "New York"}';
        const parsedData = $.parseJSON(jsonString);
        let output = `<h3>Parsed JSON Data:</h3>
                <p>Name: ${parsedData.name}</p>
                <p>Age: ${parsedData.age}</p>
                <p>City: ${parsedData.city}</p>`;
        $("#content-parsed").html(output);
    });

    </script>
</body>
</html>


content.txt
This is a sample text file content loaded via AJAX.

data.json
{
    "employees": [
        { "name": "Alice", "age": 28, "city": "Los Angeles" },
        { "name": "Bob", "age": 34, "city": "Chicago" },
        { "name": "Charlie", "age": 25, "city": "New York" }
    ]
}
```